PALM Intranet

Application Number [] Submit

IDS Flag Clearance for Application 10806594

IDS Information

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	2005-12-27	16	Y ☑	2007-01-19 19:00:54.0	wstarks
Update					

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	"artificial neural" and networks and "generate training"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/21 17:34

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

Searching US Patent Collection...

Results of Search in US Patent Collection db for:
(("artificial neural" AND networks) AND "generate training"): 30 patents.
*Hits **1** through **30** out of **30***

Jump To

Refine Search "artificial neural" and networks and "generate training

	PAT. NO.	Title
1	6,904,422	Adaptive control system having direct output feedback and related apparatuses and methods
2	6,713,978	Method and system for determining induction motor speed
3	6,678,669	Method for selecting medical and biochemical diagnostic tests using neural network-related applications
4	6,653,091	Method and device for predicting physiological values
5	6,577,960	Liquid gauging apparatus using a time delay neural network
6	6,561,992	Method and apparatus utilizing computational intelligence to diagnose neurological disorders
7	6,470,261	Automatic freeway incident detection system and method using artificial neural network and genetic algorithms
8	6,326,160	Microprocessors for use in a device for predicting physiological values
9	6,282,529	Method and apparatus for computer-supported generation of at least one artificial training data vector for a neural network
10	5,826,249	Historical database training method for neural networks
11	5,745,652	Adaptive resource allocation using neural networks
12	5,704,012	Adaptive resource allocation using neural networks
13	5,675,497	Method for monitoring an electric motor and detecting a departure from normal operation
14	5,649,065	Optimal filtering by neural networks with range extenders and/or reducers
15	5,640,493	Historical database training method for neural networks
16	5,640,103	Radial basis function neural network autoassociator and method for induction motor monitoring
17	5,621,857	Method and system for identifying and recognizing speech
18	5,606,646	Recurrent neural network-based fuzzy logic system
19	5,576,632	Neural network auto-associator and method for induction motor monitoring
20	5,574,387	Radial basis function neural network autoassociator and method for induction motor

monitoring

21 5,486,999 Apparatus and method for categorizing health care utilization
22 5,408,586 Historical database training method for neural networks
23 5,408,424 Optimal filtering by recurrent neural networks
24 5,282,261 Neural network process measurement and control
25 5,224,203 On-line process control neural network using data pointers
26 5,212,765 On-line training neural network system for process control
27 5,197,114 Computer neural network regulatory process control system and method
28 5,167,009 On-line process control neural network using data pointers
29 5,142,612 Computer neural network supervisory process control system and method
30 5,121,467 Neural network/expert system process control system and method

Top View Cart
Home Quick Advanced Pat Num Help

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alt

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE

Results for "(('artificial neural' and networks and 'generate training')<in>metadata)"

e-mail

Your search matched 3 of 1472243 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

(('artificial neural' and networks and 'generate training')<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Reinforced concrete structural damage diagnosis by using artificial neural network**
Hsu, D.S.; Tsai, C.H.;
Intelligent Information Systems, 1997. IIS '97. Proceedings
8-10 Dec. 1997 Page(s):149 - 155
Digital Object Identifier 10.1109/IIS.1997.645207
AbstractPlus | Full Text: PDF(388 KB) IEEE CNF
Rights and Permissions

2. **Neurogenetic characterization of fault tolerant switched reluctance motor drives**
Arkadan, A.-R.A.; Belfore, L.A., II;
Magnetics, IEEE Transactions on
Volume 34, Issue 5, Part 1, Sept. 1998 Page(s):3612 - 3615
Digital Object Identifier 10.1109/20.717853
AbstractPlus | References | Full Text: PDF(392 KB) IEEE JNL
Rights and Permissions

3. **Application of data driven models in quantum mechanics calculations**
Sun, M.; Butler, W.H.;
System Theory, 2002. Proceedings of the Thirty-Fourth Southeastern Symposium on
18-19 March 2002 Page(s):426 - 430
Digital Object Identifier 10.1109/SSST.2002.1027081
AbstractPlus | Full Text: PDF(449 KB) IEEE CNF
Rights and Permissions

Help Contact Us Privac

Indexed by Inspec

© Copyright 2006 IE

PORTAL
USPTO
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
"artificial neural" and networks and "generate training"
SEARCH
Feedback Report a problem Satisfaction survey

Terms used **artificial neural** and **networks** and **generate training** Found **8,692** of **196,780**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Neural network-based decision support for incomplete database systems: Knowledge acquisition and performance analysis.
B. Jin, A. R. Hurson, L. L. Miller
May 1991 **Proceedings of the conference on Analysis of neural network applications ANNA '91**
Publisher: ACM Press
Full text available: pdf(931.18 KB) Additional Information: full citation, references, index terms

2 Multi-agent learning approach to WWW information retrieval using neural network
Yong S. Choi, Suk I. Yoo
December 1998 **Proceedings of the 4th international conference on Intelligent user interfaces IUI '99**
Publisher: ACM Press
Full text available: pdf(1.83 MB) Additional Information: full citation, references, citings, index terms

Keywords: World Wide Web, agent, information retrieval, learning, neural network, relevance feedback, search service

3 Video and multimedia digital libraries: A multilingual, multimodal digital video library system
Michael R. Lyu, Edward Yau, Sam Sze
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries JCDL '02**
Publisher: ACM Press
Full text available: pdf(440.24 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents the iVIEW system, a multi-lingual, multi-modal digital video content management system for intelligent searching and access of English and Chinese video contents. iVIEW allows full content indexing, searching and retrieval of multi-lingual text, audio and video material. It consists image processing techniques for scenes and scene changes analyses, speech processing techniques for audio signal transcriptions, and multi-lingual natural language processing techniques for word r ...

Keywords: applications, browser on mobile devices, middleware and browser interactions, multi-modal interactions, multimedia management and support

4 Real-world applications: papers: Genetic algorithms for action set selection across domains: a demonstration

Greg Lee, Vadim Bulitko

July 2006 **Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06**

Publisher: ACM Press

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, index terms

Action set selection in Markov Decision Processes (MDPs) is an area of research that has received little attention. On the other hand, the set of actions available to an MDP agent can have a significant impact on the ability of the agent to gain optimal rewards. Last year at GECCO'05, the first automated action set selection tool powered by genetic algorithms was presented. The demonstration of its capabilities, though intriguing, was limited to a single domain. In this paper, we apply the tool ...

Keywords: Markov decision process, adaptive image interpretation, genetic algorithms, heuristic search, machine learning

5 Adaptivity in agent-based routing for data networks

David H. Wolpert, Sergery Kirshner, Chris J. Merz, Kagan Tumer

June 2000 **Proceedings of the fourth international conference on Autonomous agents AGENTS '00**

Publisher: ACM Press

Full text available: pdf(841.21 KB) Additional Information: full citation, references, citings, index terms

6 Radiographic image compression: a neural approach

Sridhar Narayan, Edward W. Page, Gene A. Tagliarini

May 1991 **Proceedings of the conference on Analysis of neural network applications ANNA '91**

Publisher: ACM Press

Full text available: pdf(1.10 MB) Additional Information: full citation, references, index terms

7 Real-world applications: papers: Evolving a real-world vehicle warning system

Nate Kohl, Kenneth Stanley, Risto Miikkulainen, Michael Samples, Rini Sherony

July 2006 **Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06**

Publisher: ACM Press

Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, index terms

Many serious automobile accidents could be avoided if drivers were warned of impending crashes before they occur. Creating such warning systems by hand, however, is a difficult and time-consuming task. This paper describes three advances toward evolving neural networks with NEAT (NeuroEvolution of Augmenting Topologies) to warn about such crashes in real-world environments. First, NEAT was evaluated in a complex, dynamic simulation with other cars, where it outperformed three hand-coded strawman ...

Keywords: NEAT, neuroevolution, real world, vehicle

8 Artificial neural network technology

B. L. Yoon

August 1989 **ACM SIGSMALL/PC Notes**, Volume 15 Issue 3

Publisher: ACM Press

Full text available: pdf(810.12 KB) Additional Information: full citation, abstract, index terms

The Defense Advanced Research Projects Agency (DARPA) has initiated a major new

program in Artificial Neural Network Technology. This technology may lead to solution of complex information processing and autonomous control problems (including problems that require real-time processing and response) that have persistently evaded solution by conventional techniques. If its promise can be realized, artificial neural network technology will provide powerful tools for a broad range of military applic ...

9 IDS, content filtering, Java, etc.: A network intrusion detection system based on the artificial neural networks

Wang Jing-xin, Wang Zhi-ying, Dai Kui

November 2004 **Proceedings of the 3rd international conference on Information security InfoSecu '04**

Publisher: ACM Press

Full text available: pdf(371.41 KB) Additional Information: full citation, abstract, references, index terms

To address the problem of high false alarm rate confronted by the traditional intrusion detection systems, this paper presents a new method of applying the artificial neural networks to the network intrusion detection system. We designed and implemented a network intrusion detection system based on the artificial neural networks, and then several experiments have been carried out. For the known intrusions, the false alarm rate is less than 3 percent, and, for the unknown intrusions, the false al ...

Keywords: BP classifier, artificial neural networks, false negative rate, false positive rate, intrusion detection system

10 Real time application of artificial neural network for incipient fault detection of induction machines

Mo-yuen Chow, Sui Oi Yee

June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**

Publisher: ACM Press

Full text available: pdf(751.83 KB) Additional Information: full citation, abstract, references, index terms

This paper describes several artificial neural network architectures for real time application in incipient fault detection of induction machines. The artificial neural networks perform the fault detection in real time, based on direct measurements from the motor, and no rigorous mathematical model of the motor is needed. Different approaches used to develop a reliable fault detector are presented and compared in this paper. The designed networks vary in complexity and accuracy. A high-orde ...

11 Combining artificial neural networks and statistics for stock-market forecasting

Shaun-Inn Wu, Ruey-Pyng Lu

March 1993 **Proceedings of the 1993 ACM conference on Computer science CSC '93**

Publisher: ACM Press

Full text available: pdf(969.65 KB) Additional Information: full citation, abstract, references, citings, index terms

We have developed a stock-market forecasting system based on artificial neural networks. The system has been trained with the Standard & Poor 500 composite indexes of past twenty years. Meanwhile, the system produces the forecasts and adjusts itself by comparing its forecasts with the actual indexes. Since most of stock-market forecasting systems are based on some kind of statistical models, we have also implemented a statistical system based on Box-Jenkins ARIMA(p,d,q) model of ...

12 PAC-like upper bounds for the sample complexity of leave-one-out cross-validation

Sean B. Holden

January 1996 **Proceedings of the ninth annual conference on Computational learning theory COLT '96**

Publisher: ACM Press

Full text available: pdf(932.41 KB) Additional Information: full citation, references, citings, index terms

13 Position papers: Artificial neural networks: a science in trouble

Asim Roy
January 2000 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2
Publisher: ACM Press
Full text available: pdf(646.93 KB) Additional Information: full citation, abstract, references

This article points out some very serious misconceptions about the brain in connectionism and artificial neural networks. Some of the connectionist ideas have been shown to have logical flaws, while others are inconsistent with some commonly observed human learning processes and behavior. For example, the connectionist ideas have absolutely no provision for learning from stored information, something that humans do all the time. The article also argues that there is definitely a need for some ne ...

Keywords: artificial neural networks, automated learning, brain-like learning, connectionism, data mining, intelligent systems

14 Computer simulation and applications: Signal processing technique utilising fourier transform methods and Artificial Neural Network pattern recognition for interpreting complex data from a multipoint optical fibre sensor system

D. King, W. B. Lyons, C. Flanagan, E. Lewis
January 2004 **Proceedings of the winter international synposium on Information and communication technologies WISICT '04**
Publisher: Trinity College Dublin
Full text available: pdf(148.20 KB) Additional Information: full citation, abstract, references

A multipoint (2 sensing elements) optical fibre based sensor system capable of detecting ethanol in water supplies is presented. The active sensing elements consist of an exposed core U-bend configuration in order to maximise sensitivity and the sensing system is interrogated using Optical Time Domain Reflectometry (OTDR). Artificial Neural Network (ANN) Pattern Recognition techniques have been applied to the optical fibre sensor system data in order to accurately classify each sensor element te ...

15 User tests and multimodal gesture: Large vocabulary sign language recognition based on hierarchical decision trees

Gaolin Fang, Wen Gao, Debin Zhao
November 2003 **Proceedings of the 5th international conference on Multimodal interfaces ICMI '03**
Publisher: ACM Press
Full text available: pdf(336.28 KB) Additional Information: full citation, abstract, references, citings, index terms

The major difficulty for large vocabulary sign language or gesture recognition lies in the huge search space due to a variety of recognized classes. How to reduce the recognition time without loss of accuracy is a challenge issue. In this paper, a hierarchical decision tree is first presented for large vocabulary sign language recognition based on the divide-and-conquer principle. As each sign feature has the different importance to gestures, the corresponding classifiers are proposed for the hi ...

Keywords: Gaussian mixture model, finite state machine, gesture recognition, hierarchical decision tree, sign language recognition

16 Re-engineering letter-to-sound rules

Martin Jansche
June 2001 **Second meeting of the North American Chapter of the Association for Computational Linguistics on Language technologies 2001 NAACL '01**

Publisher: Association for Computational Linguistics
Full text available: pdf(82.32 KB) Additional Information: full citation, abstract, references

Using finite-state automata for the text analysis component in a text-to-speech system is problematic in several respects: the rewrite rules from which the automata are compiled are difficult to write and maintain, and the resulting automata can become very large and therefore inefficient. Converting the knowledge represented explicitly in rewrite rules into a more efficient format is difficult. We take an indirect route, learning an efficient decision tree representation from data and tapping i ...

17 Prediction of attention in autism from single-trial EEG using artificial neural networks

Matthew Belmonte
August 1997 **ACM SIGBIO Newsletter**, Volume 17 Issue 2
Publisher: ACM Press
Full text available: pdf(1.07 MB) Additional Information: full citation, abstract, index terms

Two-layer and three-layer feed-forward artificial neural networks were trained to predict behvioural performance from singletrial EEG in autistic and normal subjects in a task involving response to rare stimuli and shifting of attention between vision and audition. Eyeblink artefacts were removed from the data using a frequency-domain filter. Performances of the networks on separate test sets varied across subjects but were usually at least 80%. The networks usually converged faster and attained ...

Keywords: EEG, ERP, P3, artefact correction, attention, autism, eyeblink, neural networks

18 Artificial neural networks: an emerging new technique

Youngohc Yoon, Lynn Peterson
March 1992 **ACM SIGMIS Database**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(275.88 KB) Additional Information: full citation, abstract, index terms

The artificial neural network is at the heart of an emerging technique, which many academicians and practitioners are using very productively due to its high performance in addressing complex problems. Although the ANN has not yet reached its full potential, the technique has demonstrated the capability of enhancing performance in a broad range of problems. This article presents an overview of the artificial neural network, a taxonomy of its learning paradigm, and its application areas.

19 The use of the electrical simulator SPICE for behavioral simulation of artificial neural networks

Vincenzo Piuri
April 1991 **Proceedings of the 24th annual symposium on Simulation ANSS '91**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.27 MB) Additional Information: full citation, references, index terms

20 Neuralis: an artificial neural network package

Sami Khuri, Jason Williams
June 1996 **ACM SIGCSE Bulletin , ACM SIGCUE Outlook , Proceedings of the 1st conference on Integrating technology into computer science education ITiCSE '96**, Volume 28 , 24 Issue SI , 1-3
Publisher: ACM Press
Full text available: pdf(433.73 KB) Additional Information: full citation, references, index terms

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL
USPTO
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
"artificial neural" and networks and "generate training"
SEARCH
Feedback Report a problem Satisfaction survey

Terms used **artificial neural** and **networks** and **generate training** Found **8,692** of **196,780**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 21 - 40 of 200 Result page: previous 1 **2** 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

21 Time series forecasting using neural networks

Thomas Kolarik, Gottfried Rudorfer
August 1994 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL : the language and its applications: the language and its applications APL '94**, Volume 25 Issue 1
Publisher: ACM Press
Full text available: pdf(657.67 KB) Additional Information: full citation, abstract, references, citings, index terms

Artificial neural networks are suitable for many tasks in pattern recognition and machine learning. In this paper we present an APL system for forecasting univariate time series with artificial neural networks. Unlike conventional techniques for time series analysis, an artificial neural network needs little information about the time series data and can be applied to a broad range of problems. However, the problem of network "tuning" remains: parameters of the backpropagation a ...

22 Artificial neural networks as cognitive tools for professional writing

Patricia A. Carlson
September 1990 **ACM SIGDOC Asterisk Journal of Computer Documentation , Proceedings of the 8th annual international conference on Systems documentation SIGDOC '90**, Volume 14 Issue 4
Publisher: ACM Press
Full text available: pdf(1.35 MB) Additional Information: full citation, abstract, references, index terms

Computers are cognitive tools — they extend the capabilities of the human mind. Paper and pencil are also cognitive tools — they enhance human memory by acting as a permanent record, and they mediate the formation of thought by serving as a scratchpad or rehearsal device. However, there is a qualitative difference between these cognitive tools: the computer as a writing environment can become an active participant in the process while paper and pencil mu ...

23 Opening the neural network black box: an algorithm for extracting rules from function approximating artificial neural networks

Rudy Setiono, Wee Kheng Leow, James Y. L. Thong
December 2000 **Proceedings of the twenty first international conference on Information systems ICIS '00**
Publisher: Association for Information Systems
Full text available: pdf(206.40 KB) Additional Information: full citation, references, index terms

Keywords: decision rules, knowledge acquisition, neural networks

24 Fuzzy RuleNet: an artificial neural network model for fuzzy classification

Nadine Tschichold-Gürman
April 1994 **Proceedings of the 1994 ACM symposium on Applied computing SAC '94**
Publisher: ACM Press
Full text available: pdf(571.46 KB) Additional Information: full citation, references, index terms

25 Continuous learning: a design methodology for fault-tolerant neural networks

Vincenzo Piuri
June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**
Publisher: ACM Press
Full text available: pdf(1.36 MB) Additional Information: full citation, abstract, references, index terms

Fault tolerance in artificial neural networks is an important feature, in particular when the application is critical or when maintenance is difficult. This paper presents a general design methodology for designing fault-tolerant architectures, starting from the behavioral description of the nominal network and from the nominal algorithm. The behavioral level is considered to detect errors due to hardware faults, while system survival is guaranteed by the reactivation of learning mechanisms ...

26 System design methodologies and experiences: Artificial neural network implementation on a single FPGA of a pipelined on-line backpropagation

Rafael Gadea, Joaquín Cerdá, Franciso Ballester, Antonio Mocholí
September 2000 **Proceedings of the 13th international symposium on System synthesis ISSS '00**
Publisher: IEEE Computer Society
Full text available: pdf(179.87 KB) Additional Information: full citation, abstract, references, citings

The paper describes the implementation of a systolic array for a multilayer perceptron on a Virtex XCV400 FPGA with a hardware-friendly learning algorithm. A pipelined adaptation of the on-line backpropagation algorithm is shown. Parallelism is better exploited because both forward and backward phases can be performed simultaneously. We can implement very large interconnection layers by using large Xilinx devices with embedded memories alongside the projection used in the systolic architecture. ...

27 Two neural network programming assignments using arrays

Susan R. Wallace, F. Layne Wallace
March 1991 **ACM SIGCSE Bulletin , Proceedings of the twenty-second SIGCSE technical symposium on Computer science education SIGCSE '91**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(458.97 KB) Additional Information: full citation, references, citings, index terms

28 Construction of an artificial neural network for simple exponential smoothing in forecasting

Doug W. Mahoney, Ruey-Pyng Lu, Shaun-inn Wu
April 1994 **Proceedings of the 1994 ACM symposium on Applied computing SAC '94**
Publisher: ACM Press
Full text available: pdf(530.71 KB) Additional Information: full citation, references, index terms

Keywords: adaptive simple exponential smoothing, artificial neural network, simple exponential smoothing

29 Artificial neural network models for texture classification via: the Radon transform

A. D. Kulkarni, P. Byars

March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's SAC '92**

Publisher: ACM Press

Full text available: pdf(448.54 KB) Additional Information: full citation, references, index terms

30 Book review: Fundamentals of Artificial Neural Networks by Mohamad H. Hassoun (MIT PRESS, 1996)

Emilio Sofia Olivas

December 1997 **ACM SIGART Bulletin**, Volume 8 Issue 1-4

Publisher: ACM Press

Full text available: pdf(420.56 KB) Additional Information: full citation, abstract, references

The field of artificial neural networks has grown substantially in recent years accompanied by an increased number of neural networks textbooks. These books attempt to give a broad introduction to both the theory and use of neural networks, such as (Hertz, 1991), (Kung, 1993), (Haykin, 1994), and (Rojas, 1996). Hassoun's book, like these, is a very good textbook for first year undergraduate students who are learning the computational abilities of neural networks. In addition it has some value to ...

31 A context-aware mobile service discovery and selection mechanism using artificial neural networks

Eyhab Al-Masri, Qusay H. Mahmoud

August 2006 **Proceedings of the 8th international conference on Electronic commerce: The new e-commerce: innovations for conquering current barriers, obstacles and limitations to conducting successful business on the internet ICEC '06**

Publisher: ACM Press

Full text available: pdf(447.28 KB) Additional Information: full citation, abstract, references, index terms

In this paper we present SmartCon, a context-aware system for the discovery and selection of mobile services using Artificial Neural Networks (ANNs). The solution we have developed is a mobile agent-enabled system that adaptively and iteratively learns to select the best available mobile service derived from the extraction of a series of features utilizing contextual information such as the Composite Capabilities/Preferences Profile (CC/PP), service-specific, and non-uniform user-specific featur ...

Keywords: CC/PP, artificial neural networks, backpropagation, mobile services, service discovery, service selection, software agents

32 Artificial neural networks: an emerging new technique

Youngohc Yoon, Lynn L. Peterson

September 1990 **Proceedings of the 1990 ACM SIGBDP conference on Trends and directions in expert systems SIGBDP '90**

Publisher: ACM Press

Full text available: pdf(474.04 KB) Additional Information: full citation, references, index terms

33 Bioinformatics (BIO): Protein threading with residue-environment matching by artificial neural networks

Nan Jiang, Wendy Xinyu Wu, Ian Mitchell

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**

Publisher: ACM Press

Full text available: pdf(253.91 KB) Additional Information: full citation, abstract, references

Protein threading programs align a probe amino acid sequence onto a library of representative folds of known protein structure to identify a structural homology. A scoring function is usually formulated in terms of the threading energy to evaluate protein sequence-structure fitness. The structure that yields the lowest total energy is considered the leading template of the probe protein. An alternative approach is to predict the probabilities of observing amino acid side-chains in structural env ...

Keywords: artificial neural networks, decoy set, knowledge-based potential, protein threading

34 Determination of set membership by artificial neural networks

John A. Ward, James M. Lamiell, Julia K. Hilliard

May 1995 **ACM SIGBIO Newsletter**, Volume 15 Issue 2

Publisher: ACM Press

Full text available: pdf(680.28 KB) Additional Information: full citation, index terms

35 A network approach to probabilistic information retrieval

K. L. Kwok

July 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 3

Publisher: ACM Press

Full text available: pdf(1.88 MB) Additional Information: full citation, abstract, references, citings, index terms, review

In this article we show how probabilistic information retrieval based on document components may be implemented as a feedforward (feedbackward) artificial neural network. The network supports adaptation of connection weights as well as the growing of new edges between queries and terms based on user relevance feedback data for training, and it reflects query modification and expansion in information retrieval. A learning rule is applied that can also be viewed as supporting sequential learn ...

Keywords: artificial neural networks, document-focused and query-focused relevance feedback, indexing and retrieval, item self-learning, learning, probabilistic indexing, probabilistic retrieval, query expansion, training

36 98¢/Mflops/s ultra-large-scale neural-network training on a pIII cluster

Douglas A. Aberdeen, Jonathan Baxter, Robert Edwards

November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM) Supercomputing '00**

Publisher: IEEE Computer Society

Full text available: pdf(215.33 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Artificial neural networks with millions of adjustable parameters and a similar number of training examples are a potential solution for difficult, large-scale pattern recognition problems in areas such as speech and face recognition, classification of large volumes of web data and finance. The bottleneck is that neural network training involves iterative gradient descent and is extremely computationally intensive. In this paper we present a technique for distributed training of Ultra Large ...

Keywords: neural-network, Linux cluster, matrix-multiply

37 Mapping a complex temporal problem into a combination of static and dynamic neural networks

Thierry Catfolis
July 1994 **ACM SIGART Bulletin**, Volume 5 Issue 3
Publisher: ACM Press
Full text available: pdf(507.16 KB) Additional Information: full citation, abstract, references, index terms

Until recently, time related artificial intelligence problems were considered difficult to tackle, and the element time was often eliminated from the core problem. Only during the last decades, researchers (Decortis & Cacciabue, [4]; Klopf & Morgan, [7]) started to explore the importance of time dependencies in artificial intelligence systems. Two different methods - 'time windows' or 'time buffers' and 'dynamic systems' - were experimented and improved in classic artificial inte ...

38 Defect prediction with neural networks

Robert L. Stites, Bryan Ward, Robert V. Walters
May 1991 **Proceedings of the conference on Analysis of neural network applications ANNA '91**
Publisher: ACM Press
Full text available: pdf(620.63 KB) Additional Information: full citation, references, index terms

39 Early bankruptcy detection using neural networks

Gottfried Rudorfer
June 1995 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on Applied programming languages APL '95**, Volume 25 Issue 4
Publisher: ACM Press
Full text available: pdf(810.07 KB) Additional Information: full citation, abstract, references, index terms

In 1993, Austria had the highest number of bankruptcies since 1945. The total liabilities came to approximately US$3 billion.Powerful tools for the early detection of company risks are very important to avoid high economic losses. Artificial neural networks (ANN) are suitable for many tasks in pattern recognition and machine learning. In this paper we present an ANN for early detection of company failures using balance sheet ratios. The neural network has been successfully ...

Keywords: APL, artificial neural networks, backpropagation, balance sheet ratios, bankruptcy, discriminant analysis

40 Book review: Analysis and applications of artificial neural networks by L.P.J. Veelenturf (Prentice Hall 1995)

Roberto Serra
December 1997 **ACM SIGART Bulletin**, Volume 8 Issue 1-4
Publisher: ACM Press
Full text available: pdf(328.85 KB) Additional Information: full citation, abstract, references

This book provides a university level introduction to neural networks. There are already many such books, so it is important to identify the distinguishing features of a new volume. The author makes this clear in the introduction, pointing out that he wants to "open the black boxes of the main types of neural networks that can be thoroughly understood." Implicit in this is a criticism of some of the existing literature. His opinion is that "for many people neural networks still seem something of ...

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL
USPTO
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
"artificial neural" and networks and "generate training"
SEARCH
THE ACM DIGITAL LIBRARY
Feedback Report a problem Satisfaction survey

Terms used **artificial neural** and **networks** and **generate training** Found **8,692** of **196,780**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window
Try an Advanced Search
Try this search in The ACM Guide

Results 41 - 60 of 200 Result page: previous 1 2 **3** 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

41 Optimal path analysis using a predator-prey neural network model
Scott M. Huse
June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**
Publisher: ACM Press
Full text available: pdf(3.49 MB) Additional Information: full citation, abstract, references, index terms

A neural network research effort is currently underway at Rome Air Development Center, the Intelligence and Reconnaissance Division (RADC/IR). Griffiss Air Force Base. The purpose of this research is to solve computationally difficult intelligence exploitation problems that have eluded conventional techniques, e.g., target recognition, battlefield multi-sensor correlation and fusion, and intelligence situation assessment. This paper describes the use of a predator-prey neural net ...

42 Session 5A: Artificial intelligence: Artificial neural network-based image pattern recognition
Hong Zhang, Jian Guan, Gwong C. Sun
April 1992 **Proceedings of the 30th annual Southeast regional conference ACM-SE 30**
Publisher: ACM Press
Full text available: pdf(228.58 KB) Additional Information: full citation, abstract, references

This paper addresses the use of a multi-layer fully-connected perceptron neural network for implementing a pattern recognizer. The input of the neural network is a set of seven standardized invariant moments in both the training procedure and recognition procedure. This standardization results in significantly increasing the accuracy of recognition. The neural network in this paper can recognize the shape of patterns regardless of the size, location or brightness. Images are captured and transfo ...

Keywords: back propagation, neural network, pattern recognition, standardized invariant moments

43 Selection of a neural network system for visual inspection
P. J. Stomski, A. S. Elmaghraby
July 1989 **ACM SIGSIM Simulation Digest**, Volume 20 Issue 2
Publisher: ACM Press
Full text available: pdf(1.06 MB) Additional Information: full citation, abstract, references, index terms

This paper provides a background to the field of neural networks with a particular focus on vision applications. It includes an extensive literature review and reports on preliminary work towards the implementation of a visual inspection application using neural network

simulators.

44 NeuroFPGA -- Implementing Artificial Neural Networks on Programmable Logic Devices

Daniel Ferrer, Ramiro González, Roberto Fleitas, Julio Pérez Acle, Rafael Canetti

February 2004 **Proceedings of the conference on Design, automation and test in Europe - Volume 3 DATE '04**

Publisher: IEEE Computer Society

Full text available: pdf(227.33 KB) Additional Information: full citation, abstract, index terms

An FPGA implementation of a multilayer perceptron neural network is presented. The system is parameterized both in network related aspects (e.g.: number of layers and number of neurons in each layer) and implementation parameters (e.g.: word width, pre-scaling factors and number of available multipliers). This allows to use the design for different network realizations, or to try different area-speed trade-offs simply by recompiling the design. Fixed point arithmetic with pre-scaling configurabl ...

45 Neural networks and artificial intelligence

N. E. Sondak, V. K. Sondak

February 1989 **ACM SIGCSE Bulletin , Proceedings of the twentieth SIGCSE technical symposium on Computer science education SIGCSE '89**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(483.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Neural networks have been called "more important than the atomic bomb" and have received a major funding commitment from DARPA. Nevertheless, it is difficult to find even a mention of neural network concepts and applications in many computer science or information systems curricula. In fact, few computer science or information systems faculty are aware of the profound implications of neurocomputing on the future of their field. This paper contends that neural networks must be a ...

46 Fuzzy input coding for an artificial neural—network modelling visual speech movements

Hans-Heinrich Bothe

February 1995 **Proceedings of the 1995 ACM symposium on Applied computing SAC '95**

Publisher: ACM Press

Full text available: pdf(406.28 KB) Additional Information: full citation, references, index terms

Keywords: Kohonen map, certificial visual speech (AVS), fuzzy input coding, lip-reading, radical basis function network

47 The exploration of legal text corpora with hierarchical neural networks: a guided tour in public international law

Dieter Merkl, Erich Schweighofer

June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law ICAIL '97**

Publisher: ACM Press

Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, index terms

48 Critical issues in mapping neural networks on message-passing multicomputers

J. Ghosh, K. Hwang

May 1988 **ACM SIGARCH Computer Architecture News , Proceedings of the 15th Annual International Symposium on Computer architecture ISCA '88,**

Volume 16 Issue 2
Publisher: IEEE Computer Society Press, ACM Press
Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms

Connectionist models such as artificial neural systems, offer an intrinsically concurrent computational paradigm. We investigate the architectural requirements for efficiently simulating large neural networks on a multicomputer system with thousands of fine-grained processors and distributed memory. First, models for characterizing the structure of a neural network and the function of individual cells are developed. These models provide guidelines for efficiently mapping the network onto mu ...

49 Knowledge discovery based on neural networks
LiMin Fu
November 1999 **Communications of the ACM**, Volume 42 Issue 11
Publisher: ACM Press
Full text available: pdf(89.84 KB) html(20.16 KB) Additional Information: full citation, references, citings, index terms

50 A multi-agent based evolutionary artificial neural network for general navigation in unknown environments
Fang Wang, Eric Mckenzie
April 1999 **Proceedings of the third annual conference on Autonomous Agents AGENTS '99**
Publisher: ACM Press
Full text available: pdf(694.38 KB) Additional Information: full citation, references, index terms

51 On a learnability question associated to neural networks with continuous activations (extended abstract)
Bhaskar DasGupta, Hava T. Siegelmann, Eduardo Sontag
July 1994 **Proceedings of the seventh annual conference on Computational learning theory COLT '94**
Publisher: ACM Press
Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, index terms

This paper deals with learnability of concept classes defined by neural networks, showing the hardness of PAC-learning (in the complexity, not merely information-theoretic sense) for networks with a particular class of activation. The obstruction lies not with the VC dimension, which is known to grow slowly; instead, the result follows the fact that the loading problem is NP-complete. (The complexity scales badly with input dimension; the loading problem is polynomial-time ...

52 Artificial immune systems: RABNET: a real-valued antibody network for data clustering
Helder Knidel, Leandro N. de Castro, Fernando J. Von Zuben
June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**
Publisher: ACM Press
Full text available: pdf(201.49 KB) Additional Information: full citation, abstract, references, index terms

This paper proposes a novel constructive learning algorithm for a competitive neural network. The proposed algorithm is developed by taking ideas from the immune system and demonstrates robustness in the initial experiments reported here for a benchmark problem. Comparisons with results from the literature are also provided. To automatically segment the resultant neurons at the output, a tool from graph theory was used with promising results. General discussions and avenues for future works are ...

Keywords: artificial immune systems, artificial neural networks, data clustering

53 Classification artificial neural systems for genome research
C. H. Wu, G. M. Whitson, C.-T. Hsiao, C.-F. Huang
December 1992 **Proceedings of the 1992 ACM/IEEE conference on Supercomputing Supercomputing '92**
Publisher: IEEE Computer Society Press
Full text available: pdf(601.08 KB) Additional Information: full citation, references, index terms

54 A hierarchical approach to analog behavioral modeling of neural networks using HDL-A
M. Ahmed, H. Ragaie, H. Haddara
September 1996 **Proceedings of the conference on European design automation EURO-DAC '96/EURO-VHDL '96**
Publisher: IEEE Computer Society Press
Full text available: pdf(249.97 KB) Additional Information: full citation, references

55 Artificial life, evolutionary robotics, adaptive behavior: papers: Facilitating neural dynamics for delay compensation and prediction in evolutionary neural networks
Heejin Lim, Yoonsuck Choe
July 2006 **Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06**
Publisher: ACM Press
Full text available: pdf(726.79 KB) Additional Information: full citation, abstract, references, index terms

Delay in the nervous system is a serious issue for an organism that needs to act in real time. For example, during the time a signal travels from a peripheral sensor to the central nervous system, a moving object in the environment can cover a significant distance which can lead to critical errors in the effect of the corresponding motor output. This paper proposes that facilitating synapses which show a dynamic sensitivity to the changing input may play an important role in compensating for neu ...

Keywords: delay compensation, evolutionary neural networks, extrapolation, facilitating synapses, neural delay, pole balancing

56 Genetic algorithms: Evolving neural network ensembles for control problems
David Pardoe, Michael Ryoo, Risto Miikkulainen
June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**
Publisher: ACM Press
Full text available: pdf(121.49 KB) Additional Information: full citation, abstract, references, index terms

In neuroevolution, a genetic algorithm is used to evolve a neural network to perform a particular task. The standard approach is to evolve a population over a number of generations, and then select the final generation's champion as the end result. However, it is possible that there is valuable information present in the population that is not captured by the champion. The standard approach ignores all such information. One possible solution to this problem is to combine multiple individuals fro ...

Keywords: ensembles, genetic algorithms, neural networks, reinforcement learning

57 Biological/environmental simulations: biological/environmental simulations: Adaptive wavelet neural network for prediction of hourly NOX and NO2 concentrations
Zhiguo Zhang, Ye San

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**
Publisher: Winter Simulation Conference
Full text available: pdf(433.00 KB) Additional Information: full citation, abstract, references

Adaptive neural network is a powerful tool for prediction of air pollution abatement scenarios. But it is often difficult to avoid overfit during the training of adaptive neural network. In this paper, based on the wavelet theory, a new algorithm is proposed to improve the generalization of adaptive neural network during on-line learning. The new algorithm trains adaptive wavelet neural network to model hourly NOx and NO2 concentrations of variance of emission sources. Resu ...

58 ANNIE: a simulated neural network for empirical studies and application prototyping
Wendy L. Huxhold, Troy F. Henson, J. Dan Bowman
April 1992 **Proceedings of the 25th annual symposium on Simulation ANSS '92**
Publisher: IEEE Computer Society Press
Full text available: pdf(690.67 KB) Additional Information: full citation, references, index terms

59 A hybrid expert system-neural networks methodology for anticipatory control in a process environment
L. Tsoukalas, J. Reyes-Jimenez
June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**
Publisher: ACM Press
Full text available: pdf(668.58 KB) Additional Information: full citation, abstract, references, index terms

A methodology is presented that couples expert systems to neural networks for the purpose of monitoring and control in a process environment. This is achieved within the framework of the anticipatory paradigm. The basic assumption of the anticipatory paradigm is that a complex system can modify its behavior on the basis of present as well as anticipated future states. The complex systems contemplated in this research use measures of performance to represent current as well as antici ...

60 Neural network approach to solving the Traveling Salesman Problem
Ralph Reilly, Plamen Tchimev
October 2003 **Journal of Computing Sciences in Colleges**, Volume 19 Issue 1
Publisher: Consortium for Computing Sciences in Colleges
Full text available: pdf(233.89 KB) Additional Information: full citation, abstract, references, index terms

The Traveling Salesman Problem involves mapping a route for a salesman to visit each city, without stopping in the same city twice, in the shortest route possible. A map of Germany is used as the test data for the study in this report.

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Sign in

Google Web Images Video News Maps more »
+"artificial neural" +networks +"generate trainir Search Advanced Search Preferences

Web Results **1 - 10** of about **590** for **+"artificial neural" +networks +"generate training"**. (**0.86** seconds)

Inverse Problem Approach using Photoelastic Analysis and ...
... using Photoelastic Analysis and **Artificial Neural Networks** in Tandem ... of the component was used to **generate training** data because FEA does not suffer ...
www.blackwell-synergy.com/links/doi/10.1111%2Fj.1475-1305.2004.00108.x - Similar pages

Artificial neural networks for parameter estimation in geophysics ...
Artificial neural networks (ANNs) are an emerging technology that has been ... Model parameter intervals used to **generate training** and prediction for ...
www.blackwell-synergy.com/links/doi/10.1046/j.1365-2478.2000.00171.x/full/ - Similar pages

[PDF] Investigating the validity of applying **artificial neural networks** ...
File Format: PDF/Adobe Acrobat
to **generate training** data that is synchronised in real time to a ... power system The combination of **artificial neural networks** ...
ieeexplore.ieee.org/iel5/9653/30507/01406757.pdf - Similar pages

[PDF] Trajectory prediction for moving objects using **artificial neural** ...
File Format: PDF/Adobe Acrobat
In order to **generate training** data files of reasonable size, the ... A method using **artificial neural networks** to predict the ...
ieeexplore.ieee.org/iel3/41/8493/00370380.pdf?arnumber=370380 - Similar pages
[More results from ieeexplore.ieee.org]

[PDF] A Hexapod Robot and Novel Training Approach for **Artificial Neural** ...
File Format: PDF/Adobe Acrobat - View as HTML
Artificial neural networks provide the means of controlling the robot. ... This model was then positioned by hand to **generate training** examples [11]. ...
www.cs.unc.edu/~vallidis/research/BlackWidow.pdf - Similar pages

[PDF] Efficient Training of **Artificial Neural Networks** for Autonomous ...
File Format: PDF/Adobe Acrobat - View as HTML
Efficient Training of **Artificial Neural Networks** for. Autonomous Navigation ... Took long time to **generate training** images and. train the network ...
www-users.itlabs.umn.edu/classes/Spring-2005/csci8980-2/presentations/chuckhays.pdf - Similar pages

[PDF] Recommending Internet-Domains Using Trails and Neural **Networks**
File Format: PDF/Adobe Acrobat
This paper discusses the use of **artificial neural networks**, ... then analyzed in order to **generate training** data as described below: ...
www.springerlink.com/index/75E7KAE5J84E074X.pdf - Similar pages

[PDF] USING EVOLUTIONARY COMPUTATION TO **GENERATE TRAINING** SET DATA FOR ...
File Format: PDF/Adobe Acrobat - View as HTML
Proceedings of the International Conference on **Artificial Neural Networks** and Genetic ... USING EVOLUTIONARY COMPUTATION TO **GENERATE TRAINING** ...
axon.cs.byu.edu/papers/ventura.icannga95.pdf - Similar pages

[Paper] Identification of Gugarati Characters using Wavelets and ...
These **networks** achieve 94.46 % and 96.32 % of accuracy for alphabets and ... Multi Layer Perceptron network: An **Artificial Neural** Network (ANN) is a ...

www.actapress.com/PDFViewer.aspx?paperId=28172 - Similar pages

[PDF] Training Multilayer Feedforward Neural **Networks** Using Dynamic ...
File Format: PDF/Adobe Acrobat
groundwater simulation codes can be run to **generate training**. data. In fact, ... multilayer feedforward **artificial neural networks**. We ...
doi.ieeecomputersociety.org/10.1109/SSST.1996.493491 - Similar pages

Result Page: **1** 2 3 4 5 6 7 8 9 10 **Next**

Get organized for the new year with Google Desktop.

+"artificial neural" +networks +"gene Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google

Sign in

Google Web Images Video News Maps more »
+"artificial neural" +networks +"generate trainir Search Advanced Search Preferences

Web Results **11 - 20** of about **594** for **+"artificial neural" +networks +"generate training"**. (**0.09** seconds)

[PDF] Tim Andersen Curriculum Vitae
File Format: PDF/Adobe Acrobat - View as HTML
Generate Training Set Data for Neural **Networks**, Proceedings of the International. Conference on **Artificial Neural Networks** and Genetic Algorithms, pp. ...
cs.boisestate.edu/~tim/resume.pdf - Similar pages

[PDF] C2FS: An Algorithm for Feature Selection in Cascade Neural **Networks**
File Format: PDF/Adobe Acrobat - View as HTML
methods such as neural **networks**. Training an **artificial neural** net with even one fully- ... We then randomly **generate training**, early stopping, and test ...
www.cs.cornell.edu/~lars/c2fs.pdf - Similar pages

[PDF] LNAI 2972 - Combining MLP and RBF Neural **Networks** for Novelty ...
File Format: PDF/Adobe Acrobat
to **generate training** and validation sets. Section 3 presents the classification al- ... **Artificial neural** network models for predicting patterns in audit- ...
www.springerlink.com/index/0EQJW298BDP7UB8X.pdf - Similar pages

ScienceDirect - Thin Solid Films : Vibrating capacitor mapped ...
The two-layer backpropagation feedforward neural **networks** were simulated in Matlab. ... not possible to **generate training** data for air without hydrogen. ...
linkinghub.elsevier.com/retrieve/pii/S0040609005003184 - Similar pages

[PDF] Vehicle Steering Control Using Modular Neural **Networks**
File Format: PDF/Adobe Acrobat - View as HTML
cooperative modular **artificial neural networks**, trained. using data generated from a known, ... oracle was used to **generate training** cases. An algorithm ...
ecs.csus.edu/~gordonvs/papers/Vehicle.pdf - Similar pages

[PDF] Estimation of Safety Index of Aging Structures through Neural ...
File Format: PDF/Adobe Acrobat
artificial neural network (ANN) models were also. developed to predict the strength and ... **generate training** data for neural network. In the prepare ...
jim.sagepub.com/cgi/reprint/17/11/997.pdf - Similar pages

Using neural **networks** to compensate altitude effects on the air ...
In our previous study(SAE 2004-01-3054), an **Artificial Neural** ... A predictive, high-fidelity simulation tool is used to **generate training** samples for the ...
cat.inist.fr/?aModele=afficheN&cpsidt=17553738 - Similar pages

[PDF] 2006-01-1512 Cam-phasing Optimization Using **Artificial Neural** ...
File Format: PDF/Adobe Acrobat - View as HTML
developed by training **Artificial Neural Networks** (ANN). This paper aims at extending the methodology to ... **generate training** samples even before hardware ...
me.engin.umich.edu/autolab/Publications/Adobe/P2006_06.PDF - Similar pages

8.1 Value Prediction with Function Approximation
In principle, we can use any method for supervised learning from examples, including **artificial neural networks**, decision trees, and various kinds of ...
www.cs.ualberta.ca/~sutton/book/ebook/node86.html - 16k - Cached - Similar pages

[PDF] IIS'97: Reinforced concrete structural damage diagnosis by using ...
File Format: PDF/Adobe Acrobat
element program is performed to **generate training** and. testing samples for neural

network ... Basically, **artificial neural networks** possess following ...
doi.ieeecomputersociety.org/10.1109/IIS.1997.645207 - Similar pages

Result Page: **Previous** 1 **2** 3 4 5 6 7 8 9 10 11 **Next**

Get organized for the new year with Google Desktop.

+"artificial neural" +networks +"gene Search

Search within results | Language Tools | Search Tips

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google

Sign in

Google Web Images Video News Maps more »
+"artificial neural" +networks +"generate trainir Search Advanced Search Preferences

Web Results **21** - **30** of about **594** for **+"artificial neural" +networks +"generate training"**. (**0.07** seconds)

[PDF] Counterpropagation Neural Network for Solving Power Flow Problem
File Format: PDF/Adobe Acrobat - View as HTML
applications of **artificial neural networks** (ANNs) have shown ... (NR) power flow program was used to **generate training** / ...
www.enformatika.org/jit/v1/v1-1-6.pdf - Similar pages

[PDF] Fast robust subject-independent magnetoencephalographic source ...
File Format: PDF/Adobe Acrobat - View as HTML
accurate forward model is available to **generate training** ... K (1991): **Artificial neural networks** for source localization in the. human brain. ...
www.bcl.hamilton.ie/~bap/papers/subject_inp_mlp.pdf - Similar pages

[PDF] Neural network analysis of oxygenation signals in infants during sleep
File Format: PDF/Adobe Acrobat
The use of **artificial neural networks** (ANNs) to interpret sleep monitoring signals is. described. ... first pulse was used to **generate training** data. ...
www.iop.org/EJ/article/0967-3334/21/3/401/pm03n1.pdf - Similar pages

[PDF] Automated Generation of Optimal Parallel Implementations of Neural ...
File Format: PDF/Adobe Acrobat - View as HTML
ABSTRACT **Artificial neural networks** (ANNs) are being used for a growing ... For the tool to **generate training** and/or classification implementations a user ...
www.ece.neu.edu/~aconti/conti_g280_report.pdf - Similar pages

[PDF] **Artificial Neural** Network Embedded Kalman Filter Bearing Only ...
File Format: PDF/Adobe Acrobat - View as HTML
Artificial Neural Networks are biologically inspired, i.e. they are ... **generate training** plans over a number of samples and store these values in a file. ...
med.ee.nd.edu/MED7/med99/papers/MED077.pdf - Similar pages

Neural Network Emulation of a Magnetically Suspended Rotor ...
Artificial neural networks (ANN) have recently become a very active research ... The use of speed ramps allows for compact, easy to **generate, training** data ...
link.aip.org/link/?JETPEZ/126/373/1 - Similar pages

Using Neural **Networks** to Compensate Altitude Effects on the Air ...
In our previous study (SAE 2004-01-3054), an **Artificial Neural** Network (ANN) ... A predictive, high-fidelity simulation tool is used to **generate training** ...
me.engin.umich.edu/autolab/Publications/P2005_02.htm - 8k - Cached - Similar pages

Diagnosis of damage in RC structures based on structural static ...
1 Hojjat Adeli , Shih-Lin Hung, Machine learning: neural **networks**, ... Reinforced concrete structural damage diagnosis by using **artificial neural** network, ...
portal.acm.org/citation.cfm?id=865493 - Similar pages

ScienceDirect - Simulation Modelling Practice and Theory : A ...
Kilmer [8] mentioned some basic ways in which **artificial neural networks** ... to **generate training** data sets for six possible experimental design approaches. ...
linkinghub.elsevier.com/retrieve/pii/S1569190X04000747 - Similar pages

[PDF] Using Neural **Networks** for Alarm Correlation in Cellular Phone **Networks**
File Format: PDF/Adobe Acrobat - View as HTML
alarms from the real network was chosen to **generate training** and test ... [7] G.G. Towell, J.W. Shavlik, "Knowledge based **artificial neural networks**" ...

www.ant.uni-hannover.de/uploads/tx_tkpublikationen/WTJ1997.pdf - Similar pages

Result Page: **Previous** 1 2 **3** 4 5 6 7 8 9 10 11 12 **Next**

Get organized for the new year with Google Desktop.

+"artificial neural" +networks +"gene Search

Search within results | Language Tools | Search Tips

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google